

Bryan Overcash

823 Loring St.
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United States citizen; currently registered for the United States Selective Service System.

PROFILE

Highly interpersonal, productive, and focused science professional. Six plus years of field and lab based biological research experience. Successfully participated and completed over 500 days of field work on University National Oceanographic Laboratory Systems (UNOLS), National Oceanic and Atmospheric Administration (NOAA), and private research vessels, in addition to more than 1000 days conducting laboratory based analyses. Currently searching for employment in ocean science: specifically an occupation involving ship board operations so as to continue to gain experience and further a career in Fisheries Research Biology.

EXPERIENCE

Fisheries Research Biologist

February 2012- Present

Department of Commerce (DOC),
National Oceanic and Atmospheric Administration (NOAA),
National Marine Fisheries Service (NMFS),
Southwest Fisheries Science Center (SWFSC),
8604 La Jolla Shores Drive La Jolla, San Diego, CA 92037-1508

SWFSC works collaboratively with Scripps Institution of Oceanography (SIO), and the California Department of Fish and Game (CDFG) in the California Cooperative Oceanic Fisheries Investigation (CalCOFI) program.

Current Position: Fisheries Biologist for SWFSC coast wide surveys, stock assessment, and CalCOFI studies as a field fisheries biologist and lab technician.

- Participated and completed ten surveys consisting of 200+ field days.
- Organized all logistical needs for pre/post survey cruises.
- Experienced in scientific trawling techniques.
- Supervised a scientific party while trawling for small pelagic fishes. These duties included, determining where to trawl, as well as, how many trawls should/could be preform successfully per night.
- Supervised and trained students and colleagues in fish identifications, dissections and analysis of fish caught in trawls.
- Extensive experience with the Continuous Underway Fish Egg Sampler (CUFES) and all facets of the system; instillation, setup and breakdown of the collecting device and all computer hard/software systems.
- Collaborated with colleagues to process and analyze ichthyoplankton data in order to make 2012 and 2013 sardine stock assessment deadline; specifically biomass voluming, ichthyoplankton identification, data archiving, database rebuilding, sample and data quality control. All of the above procedures/activities were performed in concordance with the regulations of Magnuson-Stevens Act (Fisheries Conservation and Management Reauthorization act 2006).

Research Associate

December 2007 - December 2010

Scripps Institution of Oceanography (SIO),
9500 Gilman Drive, San Diego, CA 92093-0221

- Sea going work comprised of 1 week to 1 month long fisheries research cruises, in which ichthyoplankton and sea water samples were collected. Ichthyoplankton samples were collected with a variety of zooplankton net tows: CalCOFI Bongo Oblique (CalBOBL); CalCOFI Vertical Egg

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Tow (CalVET); Paired Vertical Egg Tow (Pairovet); neuston (surface) net tow (Manta); Planktonic Rate Processes in Oligotrophic Ocean Systems (PRPOOS vertical tow); a mid-water trawl net (Oozeki). Samples were then preserved at sea, to be processed in a lab at both the SWFSC and SIO. All water samples were processed and analyzed while at sea. Water samples were analyzed for, oxygen, nutrient, and chlorophyll concentrations, as well as C¹⁴ uptake during primary productivity processes. Land lab work consisted of ichthyoplankton sample processing/sorting under microscopes and database archiving.

- Watch leader on cruises, trained other scientific researchers and lead a scientific team.
- Deployed and recovered conductivity/temperature/depth (CTD) sensors, as well as troubleshooting and repairing the system when not working correctly.
- Extensive experience with the CUFES system and the understanding of the workings of the machine and computer software.
- Wide-ranging practice with Simrad EK60 acoustic system, including onboard set up and calibration.
- Proficient in the fields of fisheries biology, biological oceanography, and physical oceanography.
- Expert in the logistics of loading and offloading of research cruises, as well as maintaining and repairing all equipment used for these cruises.
- Assisted in the setup and running of the SIO CalCOFI lobster lab project.
- Worked directly with archiving the CalCOFI phylosoma (lobster larvae) database.
- Created the bibliographies for the CalCOFI reports from 2008-2010.

Seasonal Sea Going and Lab Technician

October 2006 - October 2007

California Department of Fish and Game (CDFG),
National Oceanic and Atmospheric Administration (NOAA),
8604 La Jolla Shores Drive La Jolla, San Diego, CA 92037-1508

- Field and lab technician on the CalCOFI project. Field based position, with a focus on sea going research cruises, zooplankton/ichthyoplankton sample collection, sample processing, and data analysis.
- Mastered basic trawl techniques, as well as working up the trawls catch; identifying, dissecting, and analyzing the fish data.
- Participated in four 17-21 day research cruises collecting fisheries and physical oceanographic data.
- General understanding in the fields of fisheries biology, biological oceanography, and physical oceanography.
- Extensive lab work conducting plankton biomass voluming, sample sorting, ichthyoplankton identification, and substantial zooplankton sample archiving.
- Proficient sorter of zooplankton samples for various fish larvae and fish eggs.

EDUCATION

Bachelor of Arts in Marine Biology, Minor in Chemistry. Sonoma State University, Rohnert Park, CA, June 2006.

SKILLS

- Proficient in Microsoft Word, Excel, and Access
- Familiar with Arc Geographic Information Systems (ArcGIS)
- Not susceptible to sea sickness
- Extensive microscope experience
- Extensive experience working with diverse groups while at sea; consisting of undergraduate students, graduate students, sea going technicians, deckhands, captains, mates, PhDs, and Principal Investigators.
- Bibliographic and data analytical skills

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- CPR and first aid qualified

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REFERENCES

Dr. Tony Koslow, CalCOFI Director Scripps Institute of Oceanography
Email: jkoslow@ucsd.edu
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Dave Griffith, Fisheries biologist, Fisheries Resource Division Southwest Fisheries
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